

MODULE II - GENERAL FACILITY CONDITIONS

II.A. DESIGN AND OPERATION OF FACILITY

- II.A.1. The Permittee shall maintain and operate the facility and surrounding areas to minimize the possibility of a fire, explosion, or any sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, groundwater or surface water.
- II.A.2. The Permittee shall maintain all hazardous waste management units in accordance with the approved designs contained in this Permit (i.e. drawings and specifications contained in Attachment 6 (General Facility Description).
- II.A.3. Except for explosives or munitions emergency response, as defined by R315-1-1(b) [40 CFR 260.10, incorporated by reference], the Permittee shall perform no open burning or open detonation of hazardous waste at the interim status OB/OD (open burning/open detonation) unit until thermal treatment operations have been completed at TOCDF, and until this Permit has been modified to incorporate the requirements of R315-8-16 [40 CFR 264 Subpart X, incorporated by reference] for the OB/OD unit. If the modification has not been received within 90 days from the certification of closure of TOCDF, the permitted shall commence closure activities on the OB/OD unit.

II.B. REQUIRED NOTICE

- II.B.1. When the Permittee is to receive hazardous waste from an off-site source (except where the Permittee is also the generator), he must inform the generator in writing that he has the appropriate Permits for, and will conditionally accept the waste the generator is shipping. This will be accomplished by sending the generator a statement of these facts once for each waste stream. The Permittee shall keep a copy of this written notice as part of the operating record. No hazardous waste shall be accepted from offsite without the written approval of the Executive Secretary.

II.C. WASTE ANALYSIS PLAN

- II.C.1. The Permittee shall follow the procedures of the Waste Analysis Plan (Attachment 1) of this Permit, as well as all chain-of-custody procedures. In addition, the Permittee shall comply with any other conditions involving waste analysis.
- II.C.2. The Permittee shall only use test methods described in the Waste Analysis Plan (Attachment 1). Changes in test methods described in the Waste Analysis Plan as a result of an improvement or refinement by EPA or the State of Utah of that method shall be adopted by the Permittee in accordance with R315-3-4.
- II.C.3. The Permittee shall verify the analysis of each waste stream when new or modified wastes are generated and at least every three years thereafter. The Permittee shall conduct a yearly evaluation of each waste stream and shall submit to the Executive Secretary a letter report certifying that the known waste streams have not changed. The Waste Stream Evaluation Form as shown in Attachment 1 shall be used for this report.
- II.C.4. Waste analyses will not be required for propellants, explosives and pyrotechnics. User

knowledge will suffice unless an unknown component is suspected. Residues from the treatment of propellants, explosives and pyrotechnics are subject to condition II.C.3

II.C.5. At a minimum, the Permittee shall:

II.C.5.a. Maintain proper functional instruments;

II.C.5.b. Use approved sampling and analytical methods.

II.C.6. If the Permittee uses a contract laboratory to perform analyses, the laboratory must be certified by the State of Utah to perform the contracted analyses. Provisional certification is not acceptable as certification under this paragraph. For parameters for which certification is unavailable, the laboratory must provide quality control/quality assurance data sufficient to assess the validity of the data. The Permittee shall inform the laboratory in writing that it must operate under the Waste Analysis Plan conditions set forth in this Permit.

II.D **SECURITY PROCEDURES**

II.D.1 The Permittee shall comply with the security conditions and procedures in Attachment 9.

II.E. **INSPECTION PLAN**

II.E.1. The Permittee shall follow the inspection schedule found in the Inspection Plan (Attachment 2). In addition, the Permittee shall comply with the following conditions as well as conditions pertaining to inspections in Modules I, II, III, and IV;

II.E.1.a The Permittee shall remedy any deterioration or malfunction as required by R315-8-2.6(c). If the remedy requires more than seventy-two (72) hours from the time that the problem is detected, the Permittee shall submit to the Executive Secretary, before the expiration of the seventy-two (72) -hour periods, a proposed time schedule for correcting the problem.

II.E.1.b. Records of inspections shall be kept as required by R315-8-2.6 and R315-8-9.5.

II.E.1.c Any problem which could endanger human health or the environment (tank rupture, dike failure, transportation spills, etc.) shall be corrected as soon as possible after the problem is discovered. If the threat to human health or the environment has not been eliminated within twenty-four (24) hours, the Permittee shall notify the Executive Secretary.

II.E.1.d. Problems found during periodic inspections conducted under this Module shall be corrected within the time frame stipulated in Condition II.E.1. If, upon determination by the Executive Secretary or the Permittee, continued operation of the waste management unit involved in the inspection could endanger human health or the environment, the Permittee shall cease operation of the unit until the problem has been corrected. The Permittee shall be allowed to undertake those operations, which are part of corrective activities.

II.E.1.e. The Permittee may make the following revisions to the Inspection Procedures (included

as Attachment 2 of this Permit), in accordance with the procedures for Class 1 Permit Modifications, which require pre-approval from the Executive Secretary, in accordance with R315-3-4.3 (40 CFR 270.42):

- II.E.1.e.i Upon certification of closure of an individual hazardous waste management unit, any portion of the inspection plan specific to that unit shall be deleted from the Inspection Procedures.
- II.E.1.e.ii The Permittee may modify inspection requirements in an existing inspection form, table, figure, or record in cases where such modifications will result in additional inspection procedures.
- II.E.1.e.iii If necessary, the Permittee shall create additional inspection forms, tables, figures, or records to address inspection requirements for equivalent replacement equipment, which is to be routinely inspected.

II.F. **TRAINING PLAN**

II.F.1 The Permittee shall conduct personnel training as required by R315-8-2.7. This training program shall follow the outline found in Training Plan (Attachment 3). New personnel working with or around hazardous waste shall complete the required personnel training on or within six (6) months after their hire date or assignment to the facility or to a new position at the facility. In addition, the Permittee shall comply with the following conditions;

- II.F.1.a Facility personnel shall take part in an annual review of their initial training in both contingency procedures and the hazardous waste management procedures relevant to the positions in which they are employed.
- II.F.1.b The Permittee shall maintain training documents and records as required by R315-8-2.7(d) and R315-8-2.7(e), in accordance with the Training Plan (Attachment 3). These records shall indicate the type and amount of training received.
- II.F.1.c The Permittee shall maintain a copy of the Training Plan (Attachment 3) at the Facility until the Facility is fully closed and closure is certified.

II.G. **GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE**

- II.G.1. The Permittee shall comply with the requirements of R315-8-2.8. and the requirements of all applicable National Fire Protection Association (NFPA) codes.
- II.G.2. In addition to the requirements of R315-8-2.8., the Permittee shall comply with the conditions of III.G and III.H pertaining to ignitable, reactive, or incompatible waste.

II.H **LOCATION STANDARDS**

- II.H.1 It has been determined that this facility has met the location standards specified by R315-8-2.9.

II.I. **PREPAREDNESS AND PREVENTION**

- II.I.1. The Permittee shall follow the Preparedness and Prevention Plan (Attachment 10).
- II.I.2. Required Equipment. At a minimum, the Permittee shall equip and maintain in good operating condition at the facility the equipment set forth in Attachment 10, as required by R315-8-3.3.
- II.I.3. Testing and Maintenance of Equipment. The Permittee shall test and maintain the equipment specified in Condition II.I.2. as required by the National Fire Protection Association (NFPA) to assure its proper operation in time of emergency.
- II.I.4. The Permittee shall maintain records of these preventative maintenance and repair activities specified in II.I.2. and shall keep schedules, reflecting minimum and planned frequency for the performance of preventative maintenance activities in the Operating Record at the facility.
- II.I.5. Access to Communications or Alarm System. The Permittee shall maintain access to the communications or alarm system as required by R315-8-3.5.
- II.I.6. Required Aisle Space. At a minimum, the Permittee shall maintain aisle space as required by R315-8-3.6. A minimum of 2.5 feet is required in the container storage areas for aisle space.
- II.I.7. Arrangements with Local Authorities. The Permittee shall attempt to make arrangements with State and local authorities as required by R315-8-3.7. Copies of the Arrangements are included as Attachment 11 of the Permit. The attempts to make such arrangements, any refusals and all final arrangements shall be documented in the Operating Record.

II.J. **CONTINGENCY PLAN**

- II.J.1. Implementation of Plan. The Permittee shall immediately carry out the provisions of Hazardous Waste Contingency Plan (Attachment 4), and follow the emergency procedures described by R315-8-4.7. whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents, which threatens or could threaten human health or the environment. The Permittee shall comply with R315-9 and Condition I.U. in reporting releases to the Executive Secretary.
- II.J.2. Copies of Plan. The Permittee shall comply with the requirements of R315-8-4.4.
- II.J.3. Amendments to Plan. The Permittee shall review the Contingency Plan in accordance with R315-8-4.5. The Permittee shall immediately amend, if necessary, the Contingency Plan, as specified by R315-3-4.3 (40 CFR 270.42).
- II.J.4. Emergency Coordinator. A trained emergency coordinator shall be available at all times in case of an emergency, as required by R315-8-4.6. The names, addresses, and telephone numbers of all persons qualified to act as emergency coordinators shall be supplied to the Executive Secretary at the time of certification as required by R315-8-4.3(c).
- II.J.5. If agent is detected in the DCD Facility perimeter monitors above the General Population Exposure limits in Table 1, the Permittee shall implement the Contingency Plan (Attachment 4).

II.J.6. In the event of an offsite civilian chemical emergency, the Permittee shall comply with the procedures outlined in the Chemical Stockpile Emergency Preparedness Program (CSEPP).

II.K. **MANIFEST SYSTEM**

II.K.1. The manifest number shall be recorded in the operating record with each waste load that leaves the Permittee's facility. The Permittee shall comply with R315-5-2 and R315-8-5 for the movement of each waste load off-site.

II.K.2. The manifest number shall be recorded in the operating record with each waste load that arrives at the Permittee's facility. The Permittee shall comply with the manifest requirements of R315-8-5.2., R315-8-5.4., and R315-8-5.7.

II.K.3. If the waste load is refused and returned to the generator, such action shall be documented in the Operating Record.

II.K.4. Copies of all manifests of wastes received by the Permittee shall be submitted to the Executive Secretary within ten (10) days.

II.L. **RECORDKEEPING AND REPORTING**

II.L.1. In addition to the recordkeeping and reporting requirements specified elsewhere in this Permit, the Permittee shall comply with this section.

II.L.2. The Permittee shall maintain an accurate written operating record at the facility in accordance with R315-8-5.3. [40 CFR Section 264.73, incorporated by reference] and R315-50-2 [40 CFR Section 264 Appendix I, incorporated by reference].

II.L.3. The operating record shall be maintained on site and available for review as per Condition I.P. and I.FF.

II.L.4. The Permittee shall, by March 31 of each year, submit to the Executive Secretary a certification pursuant to R315-8-5.3 [40 CFR 264.73(b)(9) incorporated by reference], signed by the owner or operator of the facility or his authorized representative, that the Permittee has a waste minimization program in place to reduce the volume and toxicity of hazardous waste that he generates to the degree determined by the Permittee to be economically practicable; and that the proposed method of treatment, storage, or disposal is the most practicable method currently available to the Permittee which minimizes the present and future threat to human health or the environment.

II.L.5. The Permittee shall comply with the biennial report requirements of R315-8-5.6, by March 1 of each even-numbered reporting year. The report shall include wastes generated, treated or stored at the Permittee's facility during the previous odd-numbered year.

II.L.6. The Permittee shall submit additional reports to the Executive Secretary in accordance with R315-8-5.8.

II.M. **CLOSURE**

- II.M.1. Performance Standard. The Permittee shall close the facility as required by R315-8-7 [40 CFR Section 264.110-120, incorporated by reference] and The Closure Plan (Attachment 5).
- II.M.2. For all hazardous waste management units, minor deviations from the Permitted Closure Plan (Attachment 5) procedures necessary to accommodate proper closure shall be described in narrative form with the closure certification statements. The Permittee shall describe the rationale for implementing minor changes as part of this narrative report. Within sixty (60) days after completion of closure of each hazardous waste management unit the Permittee shall submit the certification statements and narrative report to the Executive Secretary.
- II.M.3. Amendment to Closure Plan. The Permittee shall amend the Closure Plan (Attachment 5) in accordance with R315-3-4.3. [40 CFR Section 270.42, incorporated by reference] whenever necessary, or when required to do so by the Executive Secretary.
- II.M.4. Notification of Closure. The Permittee shall notify the Executive Secretary in writing of the partial closure of any portion of the facility in accordance with R315-8-7 [40 CFR Section 264.112(d)-incorporated by reference].
- II.M.5. Time Allowed for Closure. After receiving the final volume of hazardous waste, the Permittee shall treat or remove from the site all hazardous waste in accordance with the schedule specified in Closure Plan (Attachment 5). After receiving the final volume of hazardous waste, the Permittee shall complete closure activities in accordance with the schedule specified in Attachment 5.
- II.M.6. Disposal or Decontamination of Equipment, Structures and Soil. The Permittee shall decontaminate or dispose of all facility equipment, structures, soil and rinsate as required by R315-8-7 [40 CFR Section 264.110-120, incorporated by reference] and the Closure Plan (Attachment 5). Facility equipment, structures and soil which has not been decontaminated will be disposed of only at a hazardous waste treatment, storage or disposal facility that has a hazardous waste treatment, storage or disposal Permit.
- II.M.7. Certification of Closure. The Permittee shall certify that the facility has been closed in accordance with the specifications in Attachment 5 as required by R315-8-7 [40 CFR Section 264.110-120, incorporated by reference], and shall provide a certification by an independent, registered professional engineer qualified by experience and education in the appropriate engineering field.
- II.M.8. In the event that any hazardous waste management unit cannot be clean closed by removing hazardous waste, hazardous constituents, contaminated subsoil, and any contaminated groundwater as specified in the Closure Plan (Attachment 5) the Permittee shall submit the modified Closure/Post-Closure Plan for that hazardous waste management unit to the Executive Secretary, as a Permit Modification request, in accordance with R315-3-4.3 (40 CFR 270.42). Within thirty (30) days of the date that the Executive Secretary approves the modification request, the unit shall be closed as a landfill, in accordance with R315-8-7 [40 CFR 264.118(a) incorporated by reference].
- II.M.9. Survey Plat. The Permittee shall submit a survey plat no later than the submission of certification of closure of each hazardous waste storage unit, in accordance with R315-8-7 [40 CFR 264.116, incorporated by reference].

II.M.10. Additional Closure Permit Condition. Washwaters resulting from decontamination of facility structures and equipment at the time of closure shall be sampled, analyzed, removed and disposed in accordance with Closure Plan (Attachment 5). This Permit Condition shall apply to closure of the hazardous waste management units identified in Module III and Module IV, in addition to any closure action described elsewhere in this Permit.

II.N. **COST ESTIMATES FOR THE FACILITY CLOSURE**

II.N.1 The Permittee is exempt from closure cost estimates in accordance with R315-8-8 (40 CFR 264.140(c) incorporated by reference).

II.O. **FINANCIAL ASSURANCE FOR THE FACILITY CLOSURE**

II.O.1 The Permittee is exempt from financial assurance in accordance with R315-8-8 (40 CFR 264.140(c) incorporated by reference).

II.P. **LIABILITY REQUIREMENTS**

II.P.1 The Permittee is exempt from liability requirements in accordance with R315-8-8 (40 CFR 264.140(c) incorporated by reference).

II.Q. **PROCESS VENTS (Subpart AA)**

II.Q.1 Within ninety (90) days from the issuance date of this Permit, the Permittee shall submit information to meet the requirements for Process Vents in accordance with R315-3-2.15 (40 CFR 270.24 incorporated by reference).

II.R **EQUIPMENT (Subpart BB)**

II.R.1 Within ninety (90) days from the issuance date of this Permit, the Permittee shall submit information to meet the requirements for equipment in accordance with R315-3-2.16 (40 CFR 270.25 incorporated by reference).